

ABSTRACT OF THE DISCLOSURE

A differential injector for fluid mixing having a primary fluid inlet, a throat section and a diverging discharge outlet. A secondary fluid is pulled into the discharge outlet, through 5 annular recessed grooves, by suction action produced by the primary fluid of the venturi. A plurality of channels feed the secondary fluid into the recessed annular grooves. The channels may be connected to a secondary fluid injection port via an injection annulus.